

ROTHSCHILD_P04486US01_6-18-07_ST25.txt
SEQUENCE LISTING

<110> Rothschild, Max
<120> Genetic Markers for Improved
<130> ISURF 2697
<140> US 01 10/816,304
<141> 2004-04-01
<150> US 09/538,165
<151> 2000-03-03
<160> 29
<170> PatentIn version 3.3
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<213> Sus scrofa

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cccagaatcc atactgtgtg tgcttcatgt ctacttttaa tttgtatctc atcctgatca 660
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ttatcatcac cctattaaac agtacagata cggatgcaca gagtttcaca gtgaatattg 180

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ataatgtcat tgactcgggtg atctgtagct ccttgcttgc atccatttgc agcctgcttt 240
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atgcactccg gagtcaagaa ctgaggaaaa cttcaaaga gatcatctgt tgctatcccc 780
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<210> 3
<211> 311
<212> PRT
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Leu Leu Glu Asn Ile Leu Val Ile Val Ala Ile Ala Lys Asn Lys Asn
          20          25          30

```

```

Leu His Ser Pro Met Tyr Phe Phe Ile Cys Ser Leu Ala Val Ala Asp
          35          40          45

```

```

Met Leu Val Ser Val Ser Asn Gly Ser Glu Thr Ile Ile Ile Thr Leu
          50          55          60

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Leu Asn Ser Thr Asp Thr Asp Ala Gln Ser Phe Thr Val Asn Ile Asp
65          70          75          80

```

```

Asn Val Ile Asp Ser Val Ile Cys Ser Ser Leu Leu Ala Ser Ile Cys
          85          90          95

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Ser Leu Leu Ser Ile Ala Val Asp Arg Tyr Phe Thr Ile Phe Tyr Ala
100         105         110

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Leu Gln Tyr His Asn Ile Met Thr Val Lys Arg Val Gly Ile Ser Ile
115 120 125

Ser Cys Ile Trp Ala Ala Cys Thr Val Ser Gly Ile Leu Phe Ile Ile
130 135 140

Tyr Ser Asp Ser Ser Ala Val Ile Ile Cys Leu Ile Thr Met Phe Phe
145 150 155 160

Thr Met Leu Ala Leu Met Ala Ser Leu Tyr Val His Met Phe Leu Met
165 170 175

Ala Arg Leu His Ile Lys Arg Ile Ala Val Leu Pro Gly Thr Gly Ala
180 185 190

Ile Arg Gln Gly Ala Asn Met Lys Gly Ala Ile Thr Leu Thr Ile Leu
195 200 205

Ile Gly Val Phe Val Val Cys Trp Ala Pro Phe Phe Leu His Leu Ile
210 215 220

Phe Tyr Ile Ser Cys Pro Gln Asn Pro Tyr Cys Val Cys Phe Met Ser
225 230 235 240

His Phe Asn Leu Tyr Leu Ile Leu Ile Met Cys Asn Ser Ile Ile Asp
245 250 255

Pro Leu Ile Tyr Ala Leu Arg Ser Gln Glu Leu Arg Lys Thr Phe Lys
260 265 270

Glu Ile Ile Cys Cys Tyr Pro Leu Gly Gly Leu Cys Asp Leu Ser Ser
275 280 285

Arg Tyr Ala Pro Pro Glu Asn Asp Ile Xaa Val Ile Cys Asn Phe Ile
290 295 300

Asp Glu Asn Thr Ile Ala Leu
305 310

<210> 4
<211> 248
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<213> Sus scrofa

<400> 4

Lys Asn Leu His Ser Pro Met Tyr Phe Phe Ile Cys Ser Leu Ala Val
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Ala Asp Met Leu Val Ser Val Ser Asn Gly Ser Glu Thr Ile Val Ile
20 25 30

Thr Leu Leu Asn Ser Thr Asp Thr Asp Ala Gln Ser Phe Thr Val Asn
35 40 45

Ile Asp Asn Val Ile Asp Ser Val Ile Cys Ser Ser Leu Leu Ala Ser
50 55 60

Ile Cys Ser Leu Leu Ser Ile Ala Val Asp Arg Tyr Phe Thr Ile Phe
65 70 75 80

Tyr Ala Leu Gln Tyr His Asn Ile Met Thr Val Lys Arg Val Gly Ile
85 90 95

Ile Ile Ser Cys Ile Trp Ala Val Cys Thr Val Ser Gly Val Leu Phe
100 105 110

Ile Ile Tyr Ser Asp Ser Ser Ala Val Ile Ile Cys Leu Ile Thr Val
115 120 125

Phe Phe Thr Met Leu Ala Leu Met Ala Ser Leu Tyr Val His Met Phe
130 135 140

Leu Met Ala Arg Leu His Ile Lys Arg Ile Ala Val Leu Pro Gly Thr
145 150 155 160

Gly Thr Ile Arg Gln Gly Ala Asn Met Lys Gly Ala Ile Thr Leu Thr
165 170 175

Ile Leu Ile Gly Val Phe Val Val Cys Trp Ala Pro Phe Phe Leu His
180 185 190

Leu Ile Phe Tyr Ile Ser Cys Pro Gln Asn Pro Tyr Cys Val Cys Phe
195 200 205

Met Ser His Phe Asn Leu Tyr Leu Ile Leu Ile Met Cys Asn Ser Ile
210 215 220

Ile Asn Pro Leu Ile Tyr Ala Leu Arg Ser Gln Glu Leu Arg Lys Thr
225 230 235 240

Phe Lys Glu Ile Ile Cys Cys Tyr
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<212> DNA
<213> Sus scrofa

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<400> 6
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<212> DNA
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<400> 7
ttaagtggag gaagaagg 18

<210> 8
<211> 19
<212> DNA
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<400> 8
cattatgaca gttaagcgg 19

<210> 9
<211> 20
<212> DNA
<213> Sus scrofa

<400> 9
taccctgacc atcttgattg 20

<210> 10
<211> 22
<212> DNA
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<400> 10
atagcaacag atgatctctt tg 22

<210> 11
<211> 24
<212> PRT
<213> Sus scrofa

<400> 11
Met Ser His Phe Asn Leu Tyr Leu Ile Leu Ile Met Cys Asn Ser Ile
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Ile Asp Pro Leu Ile Tyr Ala Leu
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<210> 12
<211> 24
<212> PRT
<213> Homo sapiens

<400> 12

Met Ser His Phe Asn Leu Tyr Leu Ile Leu Ile Met Cys Asn Ser Ile
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Ile Asp Pro Leu Ile Tyr Ala Leu
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<210> 13
<211> 24
<212> PRT
<213> Rattus norvegicus

<400> 13

Met Ser His Phe Asn Leu Tyr Leu Ile Leu Ile Met Cys Asn Ala Val
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Ile Asp Pro Leu Ile Tyr Ala Leu
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<210> 14
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<400> 14

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<210> 15
<211> 23
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<213> Sus scrofa

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Ile Asp Pro Leu Ile Tyr Ala
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<210> 16
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Met Ser Leu Phe Gln Val Asn Gly Val Leu Ile Met Cys Asn Ala Ile
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Ile Asp Pro Phe Ile Tyr Ala Leu
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<210> 17
 <211> 22
 <212> PRT
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<400> 17

Ala His Phe Asn Thr Tyr Leu Val Leu Ile Met Cys Asn Ser Val Ile
 1 5 10 15

Asp Pro Leu Ile Tyr Ala
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<210> 18
 <211> 22
 <212> PRT
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<400> 18

Ala His Phe Asn Thr Tyr Leu Val Leu Ile Met Cys Asn Ser Val Ile
 1 5 10 15

Asp Pro Leu Ile Tyr Ala
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<210> 19
 <211> 23
 <212> PRT
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<400> 19

Met Ser His Phe Asn Met Tyr Leu Ile Leu Ile Met Cys Asn Ser Val
 1 5 10 15

Met Asp Pro Leu Ile Tyr Ala
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<210> 20
 <211> 22

<212> PRT
<213> Homo sapiens

<400> 20

Ser Tyr Phe Asn Leu Phe Leu Ile Leu Ile Ile Cys Asn Ser Val Val
1 5 10 15

Asp Pro Leu Ile Tyr Ala
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<210> 21
<211> 25
<212> PRT
<213> Bos taurus

<400> 21

Leu Ala Tyr Glu Lys Phe Phe Leu Leu Leu Ala Glu Phe Asn Ser Ala
1 5 10 15

Met Asn Pro Ile Ile Tyr Ser Tyr Arg
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<210> 22
<211> 19
<212> PRT
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<400> 22

Phe Leu Leu Leu Ala Glu Ala Asn Ser Leu Val Asn Ala Ala Val Tyr
1 5 10 15

Ser Cys Arg

<210> 23
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<400> 23

Val Phe Ala Phe Cys Ser Met Leu Cys Leu Leu Asn Ser Thr Val Asn
1 5 10 15

Pro Leu Ile Tyr Ala Leu
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<210> 24
<211> 21
<212> PRT
<213> Homo sapiens

<400> 24

Phe Gln Phe Phe Phe Trp Ile Gly Tyr Cys Asn Ser Ser Leu Asn Pro
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Val Ile Tyr Thr Ile
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<210> 25

<211> 22

<212> PRT

<213> Rattus norvegicus

<400> 25

Phe Asp Phe Val Val Ile Leu Thr Tyr Ala Asn Ser Cys Ala Asn Pro
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Ile Leu Tyr Ala Phe Leu
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<210> 26

<211> 16

<212> PRT

<213> Homo sapiens

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<210> 27

<211> 10

<212> PRT

<213> Sus scrofa

<400> 27

Cys Asn Ser Leu Ile Asp Pro Leu Ile Tyr
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<210> 28

<211> 33

<212> DNA

<213> Sus scrofa

<400> 28

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33

<210> 29

<211> 33

<212> DNA

<213> Sus scrofa

<400> 29

gtgtaattcc atcatcaatc ccctgattta tgc

33

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